

IN THE CLAIMS

Please amend the claims as follows:

Claims 1-13 (Canceled)

Claim 14 (Currently Amended): An information storage medium embodied as a recordable optical disc for use with an optical disc drive, wherein the recordable optical disc physically comprises a lead-in area located near a center of rotation of the disc, and a data area located outside of the lead-in area, said recordable optical disc including sectors for storing recorded information, and said recordable optical disc configured to have data recorded thereon and data reproduced therefrom by an information recording/reproducing apparatus, said data including control information and video object data, the information storage medium comprising:

a data area configured to store storing:

a plurality of error correction code blocks including the video object data, said video object data being configured to have at least one of video object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size; and

a control information recording area configured to store storing said control information, the control information being configured to manage the video object data and including an AV file information table having a first area configured to store object stream information, and a second area configured to store AV file information configured to describe information on the video object data, the AV file information including a plurality of object information, and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address relates to the predetermined number of said sectors,

each said object information includes time map information having time map general information, one or more time entries, and one or more video object unit entries,

each video object unit entry includes playback time information of a corresponding video object unit of the video object units, and size information of the corresponding video object unit, and

each of the time entries includes numeral information on the corresponding video object unit entry of the video object data;

~~wherein the control information is provided to control recording, playing back, or editing the video object data by the information recording/reproducing apparatus, the video object data is accessed according to the control information.~~

Claim 15 (Currently Amended): An information recording method for recording information on an information storage medium including:

a data area configured to store:

a plurality of error correction code blocks including the video object data, said video object data being configured to have at least one of video object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area configured to store control information for managing the video object data, the control information including an AV file information table having a first area configured to store object stream information, and a second area configured to store AV file information configured to describe information on the video object data, the AV file information including a plurality of object information, and a

plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address relates to the predetermined number of said sectors,

each said object information includes time map information having time map general information, one or more time entries, and one or more video object unit entries,

each video object unit entry includes playback time information of a corresponding video object unit of the video object units, and size information of the corresponding video object unit, and

each of the time entries includes numeral information on the corresponding video object unit entry of the video object data,

the information recording method comprising:

generating the video object data;

recording the generated video object data into the data area; and

generating the control information including the plurality of object information; and

recording the generated control information, including the plurality of object information, into the control information recording area.

Claim 16 (Currently Amended): An information reproducing method for reproducing information recorded on an information storage medium that includes,

a data area including:

a plurality of error correction code blocks including the video object data, said video object data being configured to have at least one of video object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first area including object stream information, and a second area including AV file information configured to describe information on the video object data, the AV file information including a plurality of object information, and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address relates to the predetermined number of said sectors,

each said object information includes time map information having time map general information, one or more time entries, and one or more video object unit entries,

each video object unit entry includes playback time information of a corresponding video object unit of the video object units, and size information of the corresponding video object unit, and

each of the time entries includes numeral information on the corresponding video object unit entry of the video object data,

the information reproducing method comprising:

reproducing the control information, including the plurality of object information, from the control information recording area; and

reproducing the video object data from the data area based on the reproduced control information.

Claim 17 (Currently Amended): An information reproducing apparatus for reproducing information recorded on an information storage medium that includes a data area including:

a plurality of error correction code blocks including the video object data, said video object data being configured to have at least one of video object units, wherein a predetermined number of sectors form each error correction code block, and each of said sectors has a predetermined size, and

a control information recording area including control information for managing the video object data, the control information including an AV file information table having a first area including object stream information, and a second area including AV file information configured to describe information on the video object data, the AV file information including a plurality of object information, and a plurality of object information search pointers associated with the plurality of object information, wherein:

an error correction code block address relates to the predetermined number of said sectors,

each said object information includes time map information having time map general information, one or more time entries, and one or more video object unit entries,

each video object unit entry includes playback time information of a corresponding video object unit of the video object units, and size information of the corresponding video object unit, and

each of the time entries includes numeral information on the corresponding video object unit entry of the video object data,

the information reproducing apparatus comprising:

a first reproducer configured to reproduce the control information, including the plurality of object information, from the control information recording area; and

a second reproducer configured to reproduce video object from the data area based on the control information reproduced by the first reproducer.